

Prop 1B Goods Movement Emission Reduction Program

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Bay Area Air Quality Management District, Bay Area

FY:2015-2016

Funding Category: Locomotives and Rail Yards

Application Status: Submitted

Bay Area Air Quality Management District

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939 Ellis Street

San Francisco CA 94109

Tel: 415-749-5000

Fax: 415-928-8560

Fed Tax ID: 94-1622746

State Tax ID: 749-0009-3

Governing Board: Yes

Agency Type: Air District

Agency Service Population: 7,200,000

Contact Information

Contact	Name	Phone	Email
Executive Officer	Jack Broadbent	415-749-5052	jbroadbent@baaqmd.gov
Other	Jeff McKay	415-749-4629	jmckay@baaqmd.gov
Other	Anthony Fournier	415-749-4961	afournier@baaqmd.gov
Other	Damian Breen	415-749-5041	dbreen@baaqmd.gov
Ships at Berth & Cargo Handling Equipment	Tina McRee	415-749-4701	tmcree@baaqmd.gov
Locomotives and Rail Yards	Tina McRee	415-749-4701	tmcree@baaqmd.gov
Heavy Duty Diesel Trucks	Tina McRee	415-749-4701	tmcree@baaqmd.gov
Transport Refrigeration Units	Tina McRee	415-749-4701	tmcree@baaqmd.gov

Locomotive and Rail Yard Project Details

Bond funding Requested for Funding Category

Number of Equipment Projects

\$14,563,107

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Information used to estimate emission reductions

PM multiplier: 0.0088 lbs/\$

NOx multiplier: 0.14597 lbs/\$

For Locomotives operating in the South Coast Air Basin:

PM multiplier: 0.00252 lbs./\$

NOx multiplier: 0.06981 lbs./\$

Locomotive Equipment Upgrade:

- Tier 4 locomotives operational by 2015
- Each option is to take up a third of the locomotive projects
- Project life: 15-years
- Bond funding amount: \$1,900,000
- If operating in the South Coast Air Basin, the locomotive calculations use a Tier 2 baseline

Old switcher:

- Uncontrolled
- Annual fuel consumption of 20,000 gallons/year
- 100% California operation

Old medium horsepower line-haul:

- Tier 0
- Annual fuel consumption of 50,000 gallons
- 90% California Operation

Old Line-haul:

- Tier 0
- Annual fuel consumption of 120,000 gallons
- 90% California Operation

Data source: Emission Benefits (based on assumptions above)--Used calculator/ ARB emission factors for switchers & U.S.EPA Emission standards for line haul

Local Agency Comments

Provide additional comments or details. (optional)

ARB Review Details
Comments

Bond Funding	
Equipment Project Funds Requested (based on Project Details)	\$14,563,107
Maximum Administrative Funds \$	\$ 436,893
Administrative Funds Requested \$	\$436,893
Administrative Funds Requested (as a percentage)	3.00%
Total Program Funds Requested	\$15,000,000
Estimated Total Project Cost for Funding Category	\$29,126,214

Match Funding Summary Table

Funding Type	Fund Source	Amount	Available
Private	Grantee cost-share	\$14,563,107	December 2017

Funding Summary

Total Match Funding	\$14,563,107
Total Project Funding	\$14,563,107

Local Agency Comments

Provide additional comments or details. (optional)

Emission Benefits	
Estimated PM Reductions	128,155 lbs
Estimated NOx Reductions	2,125,777 lbs
Sum of Weighted Emission Reductions	4,688,884 lbs
Total Program Bond Funding Requested	\$15,000,000
Benefits per State Dollar Invested	0.31 lbs/\$

Local Agency Comments

Provide additional comments or details. (optional)

Implementation Schedule	
Equipment Project Marketing/Outreach and Solicitation	10 weeks
Review of Equipment Project Applications	8 weeks
Competitive Ranking and Selection of Equipment Projects	2 weeks
Equipment Owner Notification Period	1 week
Equipment Project Pre-Inspection Period	2 weeks
Execution of Equipment Project Contracts	4 weeks
Equipment Project Post-Inspection	2 weeks

Local Agency Comments

Provide additional comments or details. (optional)

Goods Movement Emission Reduction Program Application

As stated in the notice of funding availability, local agency applications must be submitted electronically and in hard copy to be considered eligible for Proposition 1B: Goods Movement Emission Reduction Program Bond funds no later than 5:00 PM on **August 7, 2015**. Additionally, hard copy applications must also be received no later than this date. Modification or changes to application information after the application submittal deadline shall only be allowed on a case-by-case basis and at the discretion of ARB staff

Assistance

For assistance in filling out this local agency application, please:

- E-mail your questions to gmbond@arb.ca.gov . In the subject line, write "Local agency application question", and in the body of the e-mail identify the:
 - Complete local agency name;
 - Fiscal year(s) of funds for which you are applying;
 - Trade corridor and funding category identified; and
 - Your question.
- Call the Goods Movement Information Line at (916) 44-GOODS (444-6637) during normal business hours (8:00AM to 5:00PM).

Electronically Submitting Local Agency Application to ARB

Proposal narrative:

- Attach all required proposal narrative document(s) and your local agency board's/commission's resolution in the box below.

Attachment(s)

[BAAQMD Yr 5 Cover ltr.1.pdf](#)

[GMP Yr 5 -Locomotive Application.pdf](#)

[BAAQMD FYE 2014 Audit Financial Statements.1.pdf](#)

[BAAQMD FYE 2014 Single Audit Reports.1.pdf](#)

Before electronically submitting your proposal narrative and the on-line data portion:

- Review your application for correctness and content prior to electronically submitting the application. Once these documents are electronically submitted, further changes cannot be made to the document.
- Press the Print Signature & Title Page button below to view/print a PDF of the signature page.
- Press the "Print Application" button below to print all information submitted in the project details , funding, emission benefits, and project schedule sections of this on-line database.
- You must first submit your application electronically to remove the "DRAFT" watermark from the title page for the finalized application that is to be printed and delivered to the Air Resources Board.

Please note: All attachment(s) must be printed individually.

Submittal of hard copy information

In addition to electronically submitting all application documents to the Prop. 1B Goods Movement Emission Reduction Program, the local agency shall also submit two (2) hard copies of the application including all necessary attachments such as approved resolutions and letters of authorization, with original signature by an authorized representative by 5:00 PM on **August 7, 2015**.

- Two hard copies of this application and all necessary attachments and approved resolutions with the appropriate signatures must be delivered to:

Goods Movement Emission Reduction Program:

Transportation and Toxics Division

California Air Resources Board

If Standard U.S. Mail: P.O. Box 2815, Sacramento, CA 95812

If Other Delivery Services: 1001 I Street, Sacramento, CA 95814